

Name _____

Solve & Share

Leah and Josh live in the same direction from school and on the same side of Forest Road. Leah's house is $\frac{8}{10}$ mile from school. Josh's house is $\frac{5}{10}$ mile from school. How much farther does Leah have to walk home when she reaches Josh's house? **Solve this problem any way you choose.**

Lesson 11-5

Subtracting Fractions with Like Denominators

TEKS 4.3E Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations. Also, 4.3. Mathematical Process Standards 4.1C, 4.1D, 4.1E, 4.1F, 4.1G

Digital Resources at PearsonTexas.com



Solve



Learn



Glossary



Check

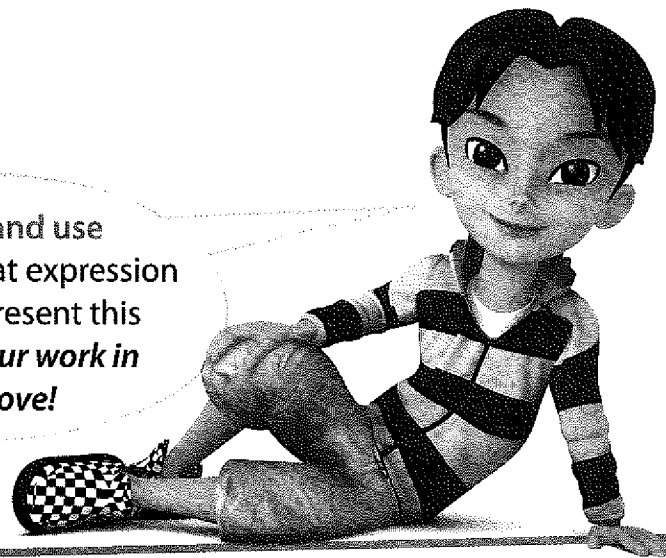


Tools



Games

You can create and use representations. What expression can you use to represent this problem? **Show your work in the space above!**

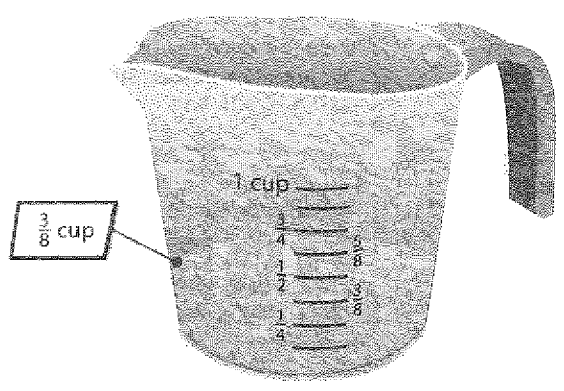


Look Back!

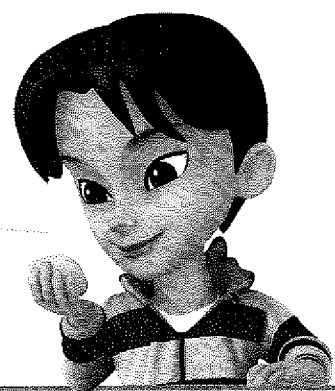
Connect Write your answer as a decimal.

How Can You Subtract Fractions with Like Denominators?

Tania is squeezing lemons to make lemonade. The recipe calls for $\frac{5}{8}$ cup of lemon juice. The amount she has squeezed is shown below. How much more lemon juice does she need to squeeze?



Subtract the fractions to find the difference.



B Step 1
Write the difference. You can use a strip diagram to help.

$\frac{5}{8}$ cup	
$\frac{3}{8}$?

$$\frac{5}{8} - \frac{3}{8}$$

C Step 2
Subtract the numerators. Write the difference over the like denominator.

$$\frac{5}{8} - \frac{3}{8} = \frac{2}{8}$$

D Step 3
Write the difference in simplest form.

$$\frac{2 \div 2}{8 \div 2} = \frac{1}{4}$$

Tania needs to squeeze $\frac{1}{4}$ cup more lemon juice.

Do You Understand?
Convince Me! In the problem above, suppose Tania decided to double the amount of lemonade she wants to make. Then how much more lemon juice would she need to squeeze?